



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Public Works and Government Services Canada  
Canada Place/Place du Canada  
10th Floor/10e étage  
9700 Jasper Ave/9700 ave Jasper  
Edmonton  
Alberta  
T5J 4C3  
Bid Fax: (780) 497-3510

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada  
Canada Place/Place du Canada  
10th Floor/10e étage  
9700 Jasper Ave/9700 ave Jasper  
Edmonton  
Alberta  
T5J 4C3

<b>Title - Sujet</b> Professional and Technical Services	
<b>Solicitation No. - N° de l'invitation</b> W7714-207172/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> W7714-207172	<b>Date</b> 2019-12-04
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$EDM-607-11735	
<b>File No. - N° de dossier</b> EDM-9-42090 (607)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-12-16</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Mountain Standard Time MST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Jenkinson, Lorraine	<b>Buyer Id - Id de l'acheteur</b> edm607
<b>Telephone No. - N° de téléphone</b> (587) 337-2458 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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001  
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EDM-9-42090

Buyer ID - Id de l'acheteur  
EDM607  
CCC No./N° CCC - FMS No./N° VME

**TITLE: Electromagnetic Propagation, Scattering, and Emission Modeling and Analysis Support for Sensor Development**

This solicitation amendment is to provide for revisions to the Solicitation.

1. The Basis of Selection has been revised. Under **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

DELETE: **4.2 Basis of Selection**, in its entirety.

INSERT: **4.2 Basis of Selection**

**4.2.1 Basis of Selection – Highest Combined Rating of Technical Merit and Price**

4.2.1.1 To be declared responsive, a bid must:

- a. comply with all the requirements of the bid solicitation; and
- b. meet all mandatory criteria; and
- c. obtain the required minimum points specified for each criterion for the technical evaluation. The rating is performed on a scale of 30 points.

4.2.1.2 Bids not meeting (a) or (b) or (c) will be declared non-responsive.

4.2.1.3 The selection will be based on the highest responsive combined rating of technical merit and price. ***The ratio will be 70% for the technical merit and 30% for the price.***

4.2.1.4 To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of **70%**.

4.2.1.5 To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of **30%**.

4.2.1.6 For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.

4.2.1.7 Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)				
		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 60 = 51.11$	$89/135 \times 60 = 39.56$	$92/135 \times 60 = 40.89$
	Pricing Score	$45/55 \times 40 = 32.73$	$45/50 \times 40 = 36.00$	$45/45 \times 40 = 40.00$
Combined Rating		83.84	75.56	80.89
Overall Rating		1st	3rd	2nd

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## 2. At **ANNEX “G” - EVALUATION CRITERIA**

DELETE: ANNEX “G” - EVALUATION CRITERIA, in its entirety.

INSERT: ANNEX “G” - EVALUATION CRITERIA (Revised 2019-12-04), attached hereto.

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If your bid has already been submitted, you may wish to revise it. Revisions to your bid can be submitted in a sealed envelope or by facsimile or by ePost, in which the content is clearly identified. Please clearly indicate the content on the envelope, on the cover page or in the subject line, according to your method of presenting your amended proposal.

Any revisions to your bid must be received by the Bid Receiving Unit on or before the time and date stated on page 1 of this document. Any revisions to your bid received after the closing date and time will be considered late and will be returned unopened.

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**ANNEX "G" - EVALUATION CRITERIA**  
(Revised 2019-12-04)

**A. TECHNICAL EVALUATION:**

**A.1. Mandatory Technical Criteria:**

The Bidder must demonstrate they meet the following mandatory technical criteria. Failure to meet any of the following mandatory technical criteria at bid closing will render the bid non-responsive and it will be given no further consideration.

Curriculum vitae or other documentation must be included to demonstrate compliance to the mandatory technical criteria.

If the supporting documentation is not provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.

	<b>Mandatory Technical Criteria</b>	<b>Met</b>	<b>Not Met</b>
<b>M1</b>	Education: PhD level of education in Physics related to electromagnetics.		
<b>M2</b>	Experience: A minimum of 12 months of experience in the analytical development and data analysis of electromagnetic scattering from linear conductors within the last 24 months.		
<b>M3</b>	Experience: A minimum of 12 months of experience in creating modelling software for calculation of electromagnetic scattering from linear conductors within the last 24 months.		
<b>M4</b>	Experience: A minimum of 3 months experience researching remotely-operated platforms or vehicles within the last 24 months.		
<b>M5</b>	Experience: A minimum of 12 months of experience researching non-linear electromagnetic scattering within the last 36 months.		

**A.2. Point-Rated Technical Criteria**

- Each evaluation criterion has a point allotment that reflects its importance within the bid. The degree to which the bid satisfies the requirement of each criterion will be assessed and a score will be assigned ranging from 0 to the total point allotment, with 0 meaning the bid completely fails to satisfy the requirements, and the total allotment meaning the bid fully meets the outlined criterion.
- Each evaluation criterion has a minimum score. Bids that fail to achieve this minimum score will be considered technically unacceptable and will be given no further consideration.

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	Point-Rated Technical Criteria	Minimum	Maximum	Score
<b>P1</b>	Years of experience in the research of electromagnetics: 1 point per year up to a maximum of 20.	<b>2</b>	<b>20</b>	
<b>P2</b>	Experience using GRWAVE software from the International Telecommunications Union.  No experience            0 points 3 months or more       5 points	<b>0</b>	<b>5</b>	
<b>P3</b>	Experience using commercial Method of Moments software.  No experience            0 points 3 months or more       5 points	<b>0</b>	<b>5</b>	
	<b>Maximum points available</b>		<b>30</b>	
	<b>TOTAL POINTS AWARDED</b>			

#### B. FINANCIAL EVALUATION:

Bidders must submit their Financial Bid in accordance with Annex B - Basis of Payment.

The Evaluated Bid Price will be determined based on the total cost of item 1. Labour. The Evaluated Bid Price will be calculated as follows:

- The Estimated Usage for Period 1 (A) will be multiplied by the quoted Daily Rate (B) determine the extended total for Period 1 (AB); the Estimated Usage for Period 2 (C) will be multiplied by quoted Daily Rate for Period 2 (D) rate to determine the extended total for Period 2 (CD);the Estimated Usage for Period 3 (E) will be multiplied by the quoted Daily Rate for Period 3 (F) rate to determine the extended total for Period 3 (EF);
- The extended totals AB, CD, and EF will be aggregated to determine the total Evaluated Bid Price.

#### C. MERIT/PRICE CALCULATION

<b>MERIT:</b> Bidder's Overall Total Point Score / Total Point Available X <b>70</b>	
<b>PRICE:</b> Lowest Bid Evaluation Total Cost / Bidder's Evaluated Total Cost X <b>30</b>	
<b>Combined Total Of Technical Merit And Price</b>	